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DETAILED DESCRIPTION

1
2 According to Figure 1 this device consists of a bottom or
3
4 base section 100, a clamp 200, a spindle 300, which is
5
6 threaded on both ends, a spring 400 and a T handle 500.
7

8 The bottom section 100 is approximately 11 $\frac{3}{4}$ " inches long by
9
10 one-half inch thick. The bottom section has a width of
11
12 approximately 4 $\frac{3}{8}$ " inches. Figure 8 is an exploded view of the
13
14 device and shows the recessed grooves 220 on the underside of
15
16 the clamp 200.
17

18 In the center of the base section there is a tapped and
19
20 threaded hole 600, which is approximately one-half inch in
21
22 diameter (Figure 1).
23

24 One end of the threaded spindle 300, is screwed into the
25
26 hole 600 on the bottom section. The spindle 300 extends
27
28 through a hole in the center of the clamp 200 and through a hole
29
30 in the center 510 of the T handle 300. It is secured in place
31
32 by a hex nut 700.
33

34 On the top of the bottom or base section 600 two recessed
35
36 concentric circles, 800 and 900, are formed on the top surface
37
38 of the base section. These concentric circles allow a quart and
39
40 pint jar to be securely positioned in the device. According to
41
42 Figure 1, a pint size and quart size can have been drawn to
43
44 demonstrate the placement within the recessed concentric circles.
45

46 The recessed concentric circles 800, 900 are slightly
47
48 greater than the diameter of the bottom of each of the size cans
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1 so that the cans will fit securely in the respective recessed
2 concentric circle on the top surface of the base section of the
3 device. The concentric circles are recessed to a depth of .187
4 inches for the quart size and .375 inches for the pint size can.
5
6

7 The indented circle to secure the pint size can 800 is
8 indented to a greater depth so that the bottom of the pint size
9 can will rest flush against the top surface of the base. The
10 indented circle to secure the quart size can 900 is indented to a
11 lesser depth so that the bottom of the quart size can will rest on
12 the top surface of the base. This arrangement of one circle
13 within another gives the appearance of concentric circles, which
14 are offset from each other.
15
16

17 There are two sets of identical recessed concentric circles
18 on each side of the base section as depicted in Figure 1 and are
19 equally spaced from the midpoint of the base section. Figure 6
20 shows a pint size can in place and the recessed ring for the quart
21 size can.
22
23

24 A spindle 300, which is secured in the hole at the bottom
25 of the base section as depicted in Figure 1 is inserted into
26 the hole 600 which has been tapped and threaded in the center of
27 the base section and the spindle is secured at the top by a hex
28 nut 700. The spindle is approximately 8 1/2" inches long and is
29 threaded at both ends.
30
31

32 The device may be made from a variety of materials, but
33 stainless steel is preferable because it is non-corrosive and
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1 durable. It may also be made from aluminum or molded plastic

2 depending on the specific needs of a job.

3
4 The spindle is screwed into the hole 600 in the middle of
5
6 the base section and is inserted through the hole in the center of
7
8 the clamp 200 and through the hole in the center of the T
9
10 handle 500. A spring 400 is inserted over the spindle and is
11
12 positioned between the top surface of the clamp and the bottom
13
14 surface of the T handle.

15
16 The T-shaped handle 500 is approximately 5" inches in
17
18 length. This will allow the tradesman to pick up this device with
19
20 one hand.

21
22 Between the T-handle and the base section there is a clamp
23
24 200 (Figure 1). A hole in the middle of the clamp allows the
25
26 spindle to pass through the center of the clamp. The hole in the
27
28 middle of the clamp is approximately one-half inch in diameter.
29
30 The spindle is inserted through the middle of the clamp. The
31
32 clamp freely moves up and down in a vertical fashion once the
33
34 device is assembled. The clamp is approximately $2 \frac{3}{16}$ inches in
35
36 length. The clamp is equipped with one inch 210 rods, which are
37
38 inserted into a hole, which has been tapped and threaded on each
39
40 side of the clamp. A lock nut 215 secures the rods +210+ in
41
42 place. These rods allow the tradesman to pull the clamp up and
43
44 remove the can(s) easily. The rods 210 extend approximately one
45
46 inch from the sides of the clamp and are perpendicular to the
47
48 sides of the clamp.
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1 On the bottom surface of the clamp 200 recessed grooves
2
3 220 have been placed on the underside of the clamp (Figure 8).
4
5 The recessed curved grooves have the following approximate
6
7 dimensions: 3/16 width, 3/16 diameter with a 1-inch radius. They
8
9 are approximately 1 3/8 inches apart on the underside of the
10
11 clamp.

12
13 The purpose of the recessed grooves 200 is to allow this
14
15 device to be clamped to the top lid of the can so that the cans
16
17 are held securely in place by the downward pressure, which is
18
19 exerted by the spring 400.

20
21 Between the top of the clamp 200 and the underside of the
22
23 T-handle, a compression spring 400 is placed to force the clamp
24
25 on the top of the cans (Figure 1). Without this spring the cans
26
27 would not remain in place.

28
29 The specifics of the compression spring are not relevant to
30
31 this particular patent; however there must be sufficient downward
32
33 pressure on the cans to ensure a tight and secure placement of the
34
35 cans in the device.

36
37 It is contemplated that this device will be made from
38
39 durable, non-corrosive materials including but not limited to
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41 stainless steel, aluminum and molded plastic.
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